

## **ABSTRACT**

Catheter for aspiration, fragmentation and removal of removable material from hollow bodies, in particular of thrombi and emboli from human blood vessels, comprising a working head, a flexible transport screw, a flexible tube, and a cutting tool. The working head is independently displaceable along a guide wire, is arranged at the distal end of the catheter, and has at least one lateral opening. The flexible transport screw can be rotated at a distance by means of a rotary drive of a drive unit. The flexible tube surrounds the transport screw, is connected to the working head, and is intended for removing the detached thrombi and emboli fragments. The transport screw forms a shearing cutting tool in cooperation with the lateral opening of the working head, in order to comminute the detached thrombi and emboli between peripheral borders of the transport screw and borders of the lateral opening.